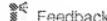


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1 Building a distributed full-text index for the web

 Sergey Melnik, Sriram Raghavan, Beverly Yang, Hector Garcia-Molina
 July 2001 ACM Transactions on Information Systems (TOIS), Volume 19 Issue 3

Publisher: ACM

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We identify crucial design issues in building a distributed inverted index for a large collection of Web pages. We introduce a novel pipelining technique for structuring the core index-building system that substantially reduces the index construction ...

Keywords: Distributed indexing, Embedded databases, Inverted files, Pipelining, Text retrieval

2 Index compression vs. retrieval time of inverted files for XML documents

 Norbert Fuhr, Norbert Gövert
 November 2002 CIKM '02: Proceedings of the eleventh international conference on Information and knowledge management

Publisher: ACM

Additional Information: [full citation](#), [abstract](#),Full text available:  pdf(55.80 KB)[references](#), [cited by](#), [index terms](#)

Query languages for retrieval of XML documents allow for conditions referring both to the content and the structure of documents. In this paper, we investigate two different approaches for reducing index space of inverted files for XML documents. First, ...

3 Self-indexing inverted files for fast text retrieval

 Alistair Moffat, Justin Zobel
October 1996 ACM Transactions on Information Systems (TOIS),
Volume 14 Issue 4

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4 Compression of inverted indexes For fast query evaluation

 Falk Scholer, Hugh E. Williams, John Yiannis, Justin Zobel
August 2002 SIGIR '02: Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available:  pdf(174.13 KB)

Additional Information: full citation, abstract,
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Compression reduces both the size of indexes and the time needed to evaluate queries. In this paper, we revisit the compression of inverted lists of document postings that store the position and frequency of indexed terms, considering two approaches ...

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Keywords: index compression, integer coding, inverted indexes, retrieval efficiency

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www.exabyte.com

5 Inverted files versus signature files for text indexing

 Justin Zobel, Alistair Moffat, Kotagiri Ramamohanarao
December 1998 ACM Transactions on Database Systems (TODS),
Volume 23 Issue 4

Publisher: ACM

Full text available:  pdf(243.62 KB)

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Two well-known indexing methods are inverted files and signature files. We have undertaken a detailed comparison of these two approaches in the context of text indexing, paying particular attention to query evaluation speed and space requirements. We ...

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Keywords: indexing, inverted files, performance, signature files, text databases, text indexing

6 Efficient phrase querying with an auxiliary index

 Dirk Bahle, Hugh E. Williams, Justin Zobel
August 2002 SIGIR '02: Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM